Essential Skills Crosswalk: Mathematics

Directions: Indicate the date of the examination and your rater ID # in the appropriate spaces below. Review the local documents you have, and, starting with problem solving sub-skills, indicate with an "X" in the "In Local Document" column if it is present. Calculate percent of sub-skills found in local documents within each essential skill, as well as the overall scores at the end of the rating grid. List any questions or potential action steps in the appropriate boxes in the "Comments" column.

Date:		**Rater ID #:**	
Essential Skills and Sub-skills from MCC	**In Local Document?**	**If So, Where Found (list specific location or identifying codes)**	**Comments**
Problem Solving			
• Build new mathematical knowledge through problem solving			
• Solve problems that arise in mathematics and in other contexts			
• Apply and adapt a variety of appropriate strategies to solve problems			
• Monitor and reflect on the process of mathematical problem solving			
	/4=		
Communication			
• Organize and consolidate their mathematical thinking through communication			
• Communicate their mathematical thinking coherently and clearly to peers, teachers, and others			
• Analyze and evaluate the mathematical thinking and strategies of others			
• Use the language of mathematics to express mathematical ideas precisely			
	/4=		

Essential Skills and Sub-skills from MCC	In Local Document?	If So, Where Found (list specific location or identifying codes)	Comments
Reasoning and Proof			
• Reason in a wide range of mathematical and applied settings			
• Recognize reasoning and proof as fundamental aspects of mathematics			
• Make and investigate mathematical conjectures			
• Develop and evaluate mathematical arguments and proof			
• Select and use various types of reasoning and methods of proof			
	/5=		
Connections			
• Recognize and use connections among mathematical ideas			
• Understand how mathematical idea interconnect and build on one another to produce a coherent whole			
• Recognize and apply mathematics in contexts outside of mathematics			
	/3=		
Representation			
• Create and use representations to organize, record, and communicate mathematical ideas			
• Select, apply, and translate among mathematical representations to solve problems			
• Use representations to model and interpret physical, social, and mathematical phenomena			
	/3=		

Percent of Essential Skills Covered in Local Documents = _____/5 = _____

Percent of Sub-skills Covered in Local Documents = _____/19 = _____